

Title (en)

METHODS OF TREATING AN OCULAR DISEASE OR DISORDER

Title (de)

VERFAHREN ZUR BEHANDLUNG VON AUGENKRANKHEITEN ODER -BESCHWERDEN

Title (fr)

MÉTHODES DE TRAITEMENT D'UNE MALADIE OU D'UN TROUBLE OCULAIRE

Publication

**EP 3386520 A4 20190717 (EN)**

Application

**EP 16873857 A 20161208**

Priority

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- US 2016065653 W 20161208

Abstract (en)

[origin: WO2017100470A1] The present disclosure provides methods of treating an ocular disease or disorder. The methods involve direct administration into the eye of a conjugate comprising a biologically active polypeptide and a biocompatible polymer.

IPC 8 full level

**A61K 31/715** (2006.01); **A61K 38/16** (2006.01); **A61K 38/17** (2006.01); **A61K 47/18** (2017.01)

CPC (source: CN EP KR US)

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Citation (search report)

- [A] WO 2005110489 A2 20051124 - EYETECH PHARMACEUTICALS INC [US], et al
- [XI] ALTIOK, E.I.: "Improving anti-VEGF drugs in the vitreous", PHD THESIS, October 2015 (2015-10-01), XP002791838, Retrieved from the Internet <URL:[http://digitalassets.lib.berkeley.edu/etd/ucb/text/Altiok\\_berkeley\\_0028E\\_15843.pdf](http://digitalassets.lib.berkeley.edu/etd/ucb/text/Altiok_berkeley_0028E_15843.pdf)> [retrieved on 20190605]
- [XPI] ALTIOK E.I. ET AL.: "Multivalent hyaluronic acid bioconjugates improve sFlt-1 activity in vitro.", BIOMATERIALS, vol. 93, July 2016 (2016-07-01), pages 95 - 105, XP002791839
- [A] SHAHANGIAN S.S. ET AL.: "A conformation-based phage-display panning to screen neutralizinganti-VEGF VHHS with VEGFR2 mimicry behavior", INT. J. BIOL. MACROMOL., vol. 77, March 2015 (2015-03-01), pages 222 - 234, XP002791840
- [A] YU Y. ET AL.: "Inectable chemically crosslinked hydrogel for the controlled release of bevacizumab in vitreous: a 6-month in vivo study", TRANSLATIONAL VISION SCIENCE & TECHNOLOGY, vol. 4, no. 2, 5, March 2015 (2015-03-01), XP002791841
- [A] PAYNE L.B., HERRING I.P. & HUCKLE W.R.: "Expression of recombinant canine sFlt1 as an experimental anti-angiogenic agent", FASEB J., vol. 26, no. 1 Suppl, July 2012 (2012-07-01), pages 682.12, XP002791842
- [A] WALL S.T. ET AL.: "Multivalency of Sonic Hedgehog conjugated to linear polymer chains modulates protein potency.", BIOCONJ. CHEM., vol. 19, 2008, pages 806 - 812, XP002791843
- See also references of WO 2017100470A1

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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KR 20180100569 A 20180911; US 10765759 B2 20200908; US 11723982 B2 20230815; US 2018318431 A1 20181108;  
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DOCDB simple family (application)

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US 202016985522 A 20200805; US 202318339061 A 20230621